

WHAT IS CLAIMED IS:

1. A multi-mode GPS-receiver for use with a host device, said multi-mode GPS receiver comprising:
 - a GPS receiver housing having a GPS-receiver cable connector;
 - a GPS-receiver base-band circuit;
 - a USB circuit; and
 - an RS-232 circuit;wherein said GPS-receiver base-band circuit and said USB circuit are incorporated within said housing;
 - wherein said USB circuit is operatively connected to said GPS-receiver cable connector and to said GPS-receiver base-band circuit;
 - wherein said RS-232 circuit is operatively connected to said GPS-receiver base-band circuit; and
 - wherein a USB signal and/or an RS-232 signal is processable by said GPS-receiver base-band circuit.
2. The multi-mode GPS-receiver of claim 1, wherein said USB signal and said RS-232 signal are simultaneously processable by said GPS-receiver base-band circuit.
3. The multi-mode GPS-receiver of claim 1, wherein said RS-232 circuit is operatively connected to said USB circuit, wherein said RS-232 signal is detectable by said USB circuit, and wherein said USB circuit includes a microcontroller that switches said RS-232 circuit on upon detection of said RS-232 signal is detected.
4. The multi-mode GPS-receiver of claim 1, wherein said RS-232 circuit is incorporated within said GPS receiver housing.
5. The multi-mode GPS-receiver of claim 1, wherein said RS-232 circuit is external to said GPS-receiver housing and is connectable to said GPS-receiver base-band circuit via a connection to said GPS-receiver cable connector.

6. A GPS data transceiver system for use with a host device, said system comprising:
 - said multi-mode GPS-receiver of claim 1; and
 - a data cable having a first data-cable connector that is connectable to said GPS-receiver connector and a second data-cable connector that is connectable to said host device.
7. The GPS data transceiver system of claim 6, further comprising an external power source that is operatively connectable to said GPS-receiver base-band circuit via said GPS-receiver cable connection.
8. The GPS data transceiver system of claim 7, wherein said external power source is a battery pack with an ON/OFF switch.
9. The GPS data transceiver system of claim 8, wherein said data cable includes a data-cable connector that is operatively connectable to said GPS-receiver connector, a first cable having a USB-compatible cable connector, and a second cable having an RS-232-compatible cable connector, said first cable and said second cable being connected to said data-cable connector, and wherein said USB-compatible cable connector is connectable to a USB host device, and said RS-232-compatible cable connector is connectable to an RS-232 host device.
10. The GPS data transceiver system of claim 9, wherein said USB-compatible cable connector and said RS-232-compatible cable connector are simultaneously connectable to said USB host device and said RS-232 host device, respectively.
11. The GPS data transceiver system of claim 9, wherein said RS-232 host device is a radio transmitter and said USB host device is a data logger.
12. The GPS data transceiver system of claim 8 further comprising an RS-232 unit that includes said battery pack and said RS-232 circuit.

13. The GPS data transceiver system of claim 12, wherein said RS-232 unit is incorporated into said data cable.

14. The GPS data transceiver system of claim 12, wherein said RS-232 unit is operatively connectable to said multi-mode GPS-receiver via said GPS-receiver cable connector and to said data cable, so as to provide a power source for said multi-mode GPS-receiver for transceiving RS-232 signals.

15. The GPS data transceiver system of claim 7, wherein said external power source is a plug that is connectable to a cigarette lighter receptacle in an automobile.

16. A GPS data transceiver system for use with a host device, said system comprising:

- a GPS receiver housing having a receiver-connector;

- a GPS-receiver base-band circuit;

- a USB circuit;

- an RS-232 circuit; and

- a data cable assembly;

- wherein said GPS-receiver base-band circuit, said RS-232 circuit, and said USB circuit are incorporated within said housing and said USB circuit is operatively connected to said receiver-connector and to said GPS-receiver base-band circuit;

- wherein said RS-232 is operatively connected to said receiver-connector and to said GPS-receiver base-band circuit;

- wherein a USB signal and/or an RS-232 signal is processable by said GPS-receiver base-band circuit; and

- wherein said data cable assembly has a data-cable-connector that is connectable to said receiver-connector, a host-device-connector that is connectable to a host device, and a data cable therebetween.

17. The system of claim 16, wherein said data cable assembly includes a first data cable, wherein said host-device connector is a USB-host-device connector that is

connectable to a USB host device and a second data cable wherein said host-device connector is an RS-232-host-device connector that is connectable to an RS-232 host device;

wherein said first data cable and said second data cable are operatively connected to said data-cable-connector;

wherein said data cable assembly is connectable to said receiver-connector and simultaneously to said USB host device and said RS-232 host device, and

wherein USB signals and RS-232 signals are simultaneously processable by said GPS-receiver base-band circuit.

18. The system of claim 16, wherein said data cable assembly is a USB cable, wherein said host-device-connector is a USB connector that is connectable to a USB host device, and wherein USB signals are processable by said GPS-receiver base-band circuit.

19. The system of claim 16, wherein said data cable assembly is an RS-232 cable, wherein said host-device connector is an RS-232 connector that is connectable to an RS-232 host device, and wherein said battery pack is incorporated in said data cable assembly; and

wherein said RS-232 signals are processable by said GPS-receiver base-band circuit.

20. A GPS data transceiver system for use with a host device, said system comprising:

a GPS receiver housing having a receiver-connector;

a GPS-receiver base-band circuit;

a USB circuit;

an RS-232 circuit and a battery pack; and

a data cable assembly;

wherein said GPS-receiver base-band circuit, said RS-232 circuit, and said USB circuit are incorporated within said housing and said USB circuit is operatively connected to said receiver-connector and to said GPS-receiver base-band circuit;

wherein said data cable assembly has a data-cable-connector that is connectable to said receiver-connector, a host-device-connector that is connectable to a host device, and a data cable therebetween;

wherein said RS-232 and battery pack are external to said GPS receiver housing and are operatively connected to said GPS-receiver base-band circuit via said receiver-connector.